

## ABSTRACT

In an initial synchronizing method of a mobile communication system capable of reducing an initial synchronous retrieval time of a system by providing a  
5 condition in correlation value operation or simplifying data combination or retrieving a candidate region in which a synchronous code may exist and performing operation about only several samples of the region, by calculating correlation values by extracting baseband data by dividing it into a certain block units and operating the extracted baseband data with synchronous data; and  
10 detecting baseband data having a correlation value greater than a preset threshold value by comparing the operated correlation values with the present threshold value, it is possible to reduce operational complexity for initial synchronization and initial synchronous time by not performing operations about all input signals, and accordingly power consumption of a terminal can be reduced.

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